

WA Parish Generating Station

The **W.A. Parish Generating Station** is a 3.65-gigawatt (3,653 MW), dual-fired power plant located in unincorporated Thompsons, Texas, the station occupies a 4,664-acre site near Smithers Lakes southwest of Houston in Fort Bend County and consists of two four-unit plants; one natural gas and the other coal (2,697 MW).^[1] With a total installed capacity of 3,653 MW, it is the second largest conventional power station in the US.^[2] NRG Energy owns and operates the plant.^[1]

The multiple coal mines supply three 124-car trainloads worth of low-sulfur coal to units 5-8 or 36,000 tons daily.

Completed in January 2017, the post-combustion^[3]Petra Nova Carbon Capture Project became largest installed on an existing power plant in the world.^{[4][5]}The system pumps 1.6 million tons of filtered carbon dioxide (CO₂) from unit 8 to the West Ranch Oil Field 82 miles away in Jackson County.^{[6][7]} Overall as the system is powered by natural gas it will have a net effect of not releasing 785,000 tons of carbon annually.^[8] The system cost approximately \$1 billion.^[9]

Adjacent to Parish Station is the natural gas Brazos Valley Power Plant owned by Calpine Energy which opened in 2003.^[10]

See also

- List of largest power stations in the United States
- List of power stations in Texas

References

1.

"Texas Sets Record for Gas Power Burn, Still Barely Enough". Power Magazine. August 18, 2015.


2.

"S&P Global : Platts : W.A. Parish Electric Generation Station, Thompson, Texas". *Online.platts.com*. Archived from the original on October 14, 2016. Retrieved April 3, 2017.

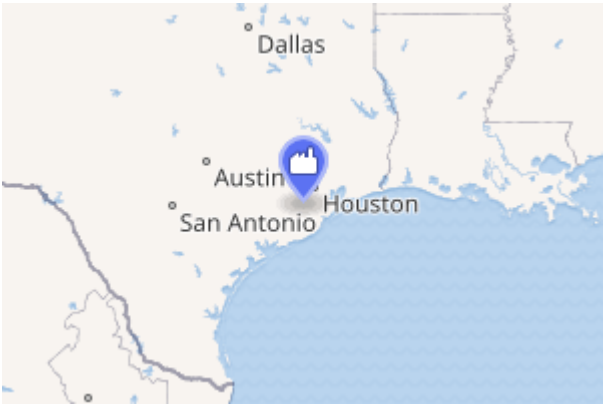
3.

"Carbon Capture Suffers a Huge Setback as Kemper Plant Suspends Work". June 29, 2017. Retrieved June 30, 2017.

W.A. Parish Generating Station



W.A. Parish, seen from northwest of the facility



Country	United States
Location	Thompsons, Texas
Coordinates	29°28′34″N 95°38′0″W
Status	Operational
Owner(s)	<u>NRG Energy</u>
Thermal power station	
Primary fuel	<u>Coal</u>
Secondary fuel	<u>Natural gas</u>
Cooling source	<u>Smithers Lake</u>
Power generation	
Nameplate capacity	3,653 MW
External links	
Commons	 Related media on Commons

4. ["World's Largest Carbon-Capture Plant to Open Soon". Scientific American. October 4, 2016. Retrieved April 3, 2017.](#)
5. ["Petra Nova Project| NRG Energy". Nrg.com. Retrieved April 3, 2017.](#)
6. Kirk, Bryan (September 2, 2014). ["Parish Power Plant takes steps to clean up its operations in Fort Bend Count". Chron.com. Retrieved April 3, 2017.](#)
7. https://sequestration.mit.edu/tools/projects/wa_parish.html
8. Wang, Uclia (July 15, 2014). ["NRG's \\$1B Bet To Show How Carbon Capture Could Be Feasible For Coal Power Plants". Forbes.](#)
9. Ryan Maye Handy (January 10, 2017). ["NRG begins commercial operations of \\$1 billion carbon capture system". Houston Chronicle. Retrieved December 21, 2017.](#)
10. Seshadri Kumar (April 5, 2004). ["Brazos Valley power plant turns on lights". Chron.com. Retrieved April 3, 2017.](#)

External links

Retrieved from "https://en.wikipedia.org/w/index.php?title=WA_Parish_Generating_Station&oldid=983717816"